

REPORT OF CHANNEL CONDITIONS 400 FEET WIDE OR GREATER <i>(ER 1130-2-306)</i>						PAGE 1	OF 1	
						DATE September 9, 2008		
TO: The Record					FROM: U.S. Army Corps of Engineers 26 Federal Plaza, ATTN: CENAN-OP-ST New York, NY 10278-0090			
RIVER/HARBOR NAME AND STATE: New York Harbor, Main Ship Channel, New York					MINIMUM DEPTHS IN CHANNEL ENTERING FROM SEAWARD			
NAME OF CHANNEL	DATE OF SURVEY	AUTHORIZED PROJECT			LEFT OUTSIDE QUARTER (feet)	LEFT INSIDE QUARTER (feet)	RIGHT INSIDE QUARTER (feet)	RIGHT OUTSIDE QUARTER (feet)
		WIDTH (feet)	LENGTH (nmiles)	DEPTH (feet)				
Reach A: Chapel Hill North Channel: From a point approximately 370 feet seaward (southward) of GREEN CAN #13 to junction with Ambrose Channel.	Map 57 Pg 4 - 7 of 7; 16, 17, 23, & 24 Oct. 2007, 4, 5, 7, & 12 Feb. 2008, 5-7, 14, 15, 20, 21 & 29 May 2008, & 2, 3 & 9 Jun. 2008	1,000	2.2	30	28.4	26.4*	22.0*	23.8*
Reach B: Chapel Hill South Channel: From junction with Sandy Hook Channel at JUNCTION "SP" to a point approximately 370 feet seaward (southward) of GREEN CAN #13.	Map 57 Pg 2 - 4 of 7; 16, 17, 23, & 24 Oct. 2007, 4, 5, 7, & 12 Feb. 2008, 5-7, 14, 15, 20, 21 & 29 May 2008, & 2, 3 & 9 Jun. 2008	1,000	2.7	30	28.0	25.7*	29.7	24.5
Reach C: Widening at Junction with Sandy Hook Channel – (eastward): From a point approximately 750 feet east of RED LIGHT w/ BELL #18 (along the Sandy Hook Channel) to a point approximately 930 feet east of JUNCTION "SP" and thence along the eastern Main Ship Channel boundary (Reach B) northward to a point directly across from GREEN CAN #3.	Map 57 Pg 1 & 2 of 7; 16, 17, 23, & 24 Oct. 2007, 4, 5, 7, & 12 Feb. 2008, 5-7, 14, 15, 20, 21 & 29 May 2008, & 2, 3 & 9 Jun. 2008	Irregular "L" Shape	Irregular "L" Shape	30	27.3			
REMARKS: <ul style="list-style-type: none"> All depths in Mean Low Water (MLW) Channel length is in nautical miles. Reach A (Chapel Hill North Channel): A shoal exists starting at a point approximately 1,480 feet seaward (southward) of RED #14 along the right channel line. This shoaling expands into the right inside quarter at RED #14 and continues northward where it expands even further across the entire channel with the combination of numerous small shoals (located approximately 4,400 feet south of the junction with the Ambrose Channel). The shoaling ends approximately 1,800 feet south of the junction with the Ambrose Channel. Sporadic shoal obstructions are denoted on this survey throughout this entire reach. Reach B (Chapel Hill South Channel): A combination of several shoals, approximately 1,100 feet in length, spread across the entire channel at the junction with Sandy Hook Channel with a minimum depth of 28.8 feet. Several narrow shoals exist, with an approximate maximum width of 60 feet, along the right and left channel lines having a minimum depth of 24.5 feet. Sporadic shoal obstructions are denoted on this survey throughout this entire reach. Reach C (Widening at Junction with Sandy Hook Channel – (eastward)): Shoaling exists throughout much of this reach starting from approximately 640 feet west of RED LIGHT #20 and extending westward for the remainder of the reach. This shoal extends from the junction with Sandy Hook Channel to approximately 1,800 feet northward of JUNCTION "SP". <p>* Denotes a Shoal Obstruction in the channel.</p>								
ENG FORM 4020-R, Nov 90		EDITION OF JUL 59 IS OBSOLETE				(Proponent: CECW-OM)		